

SESSION 1

Welcome to Our Family 



WHO ARE WE?

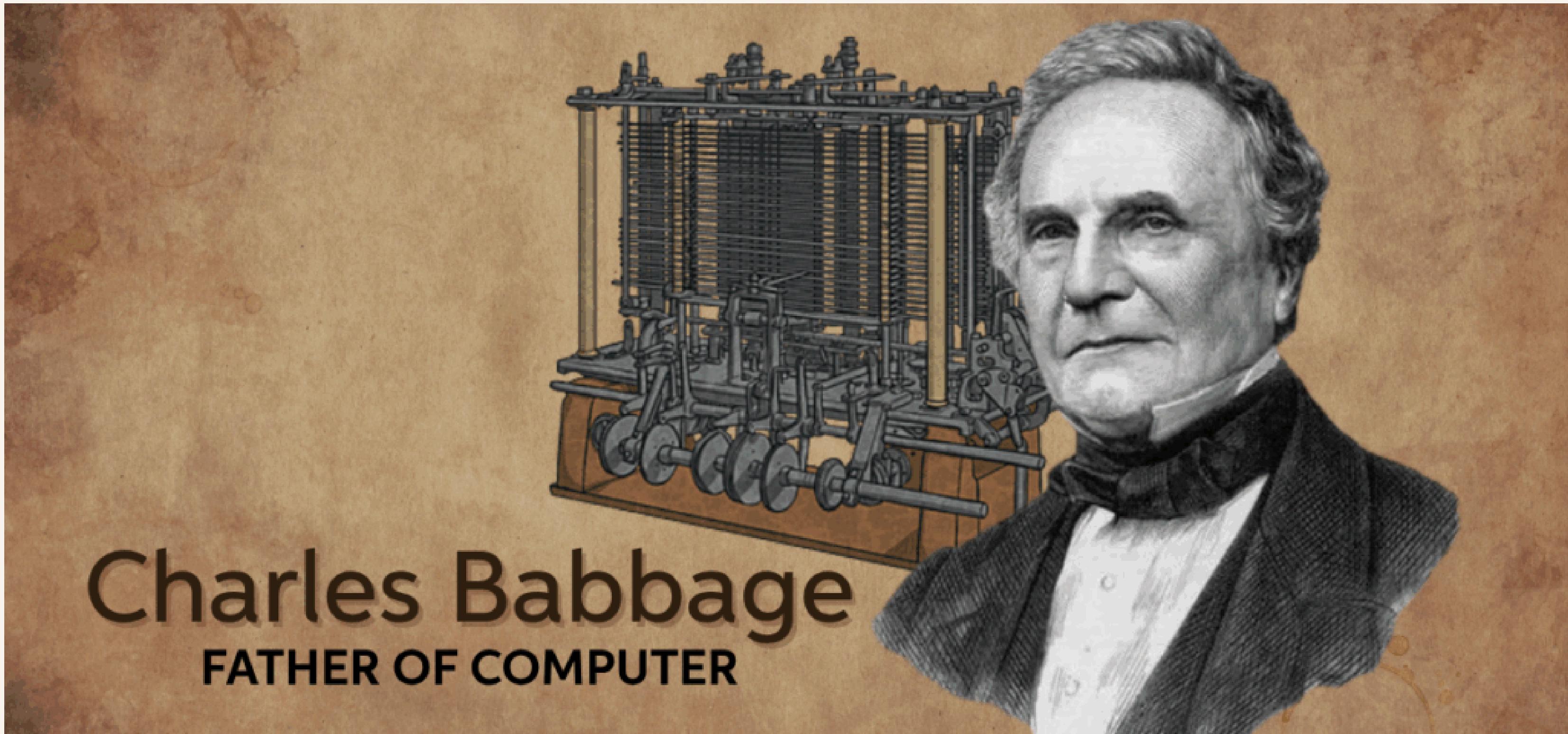




HOW DID THE CURSE START?

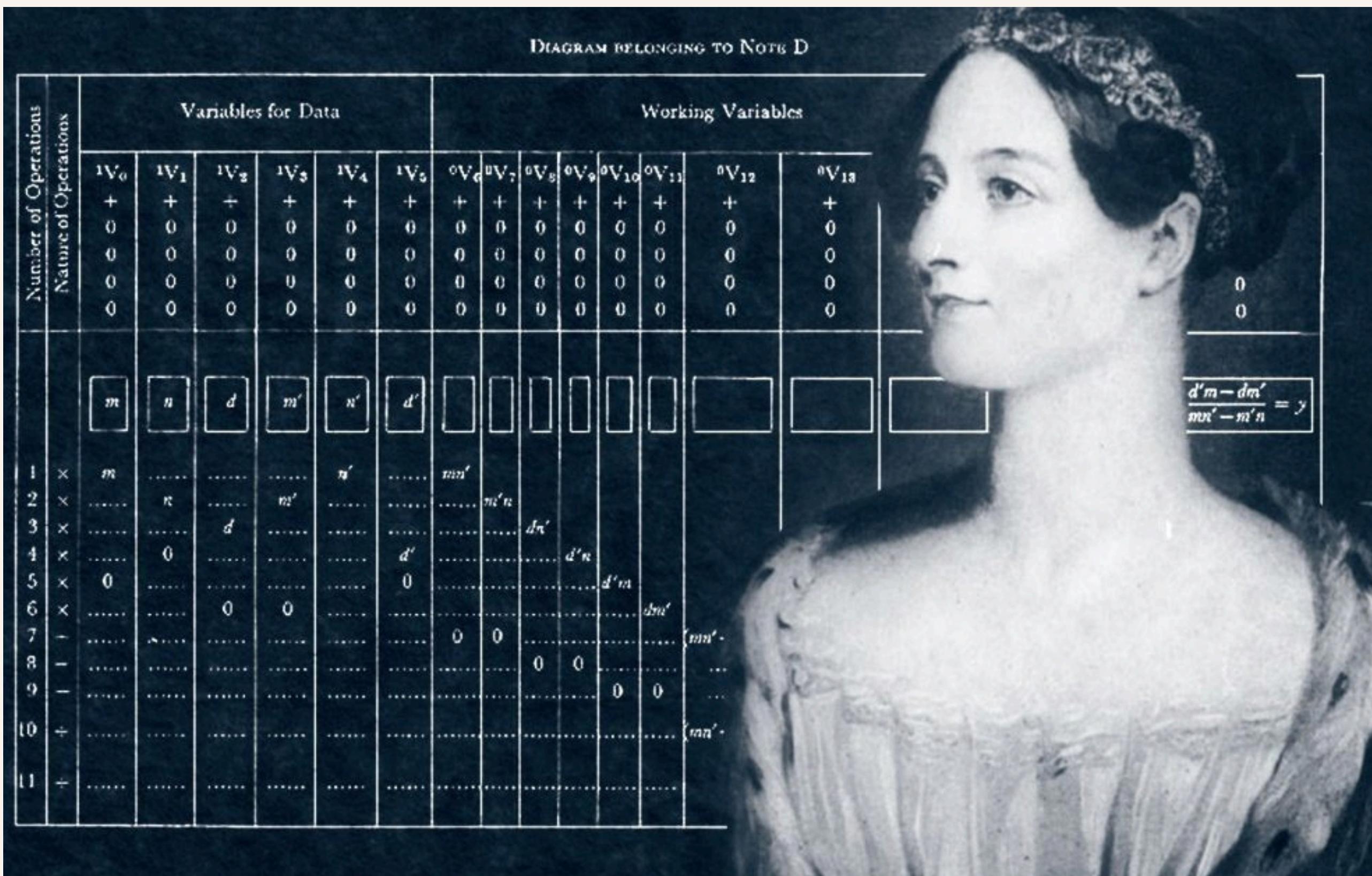


Analytical Engine (1830s)



Charles Babbage
FATHER OF COMPUTER

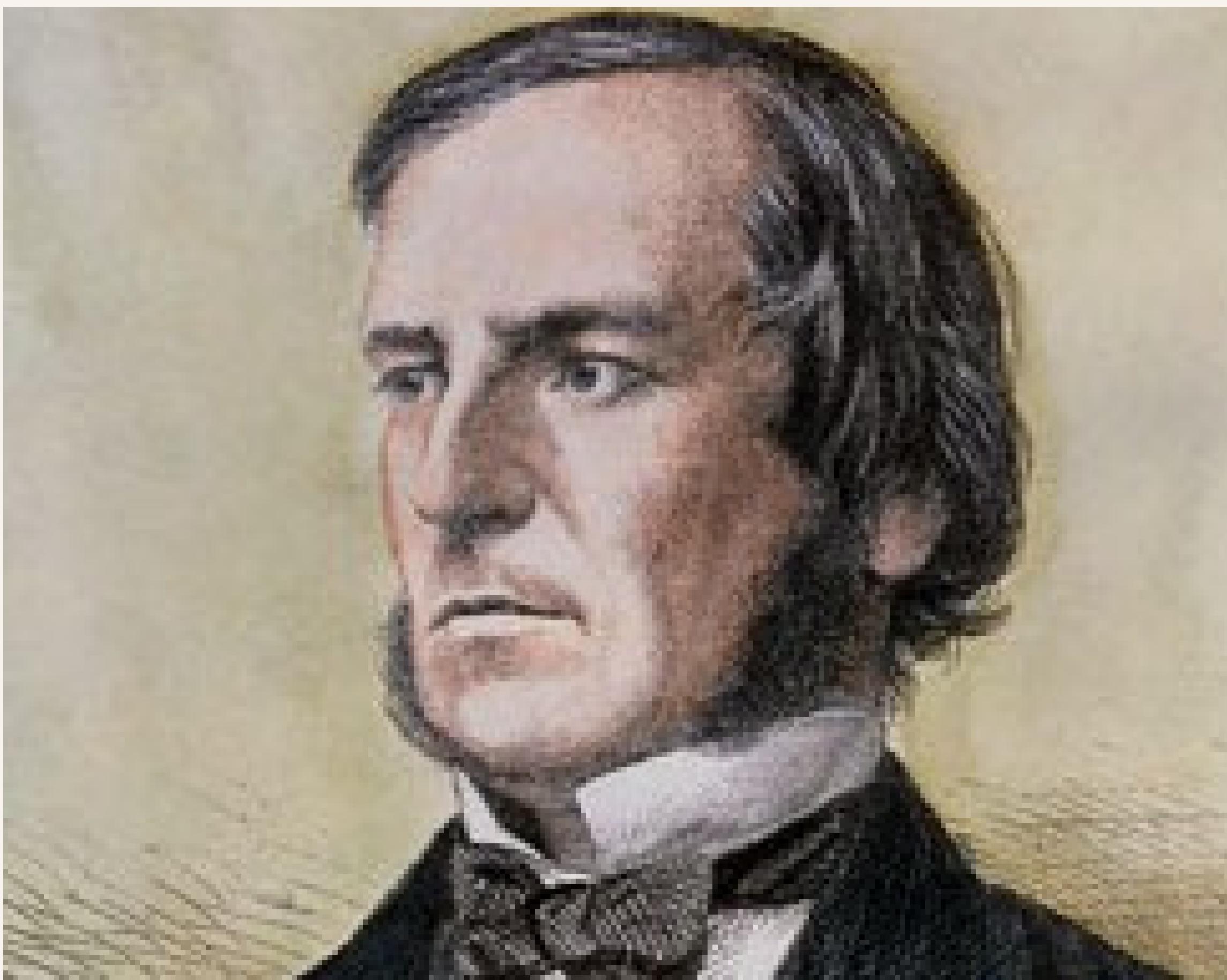
Ada Lovelace - (1815-1852)



General Purpose

First Algorithm

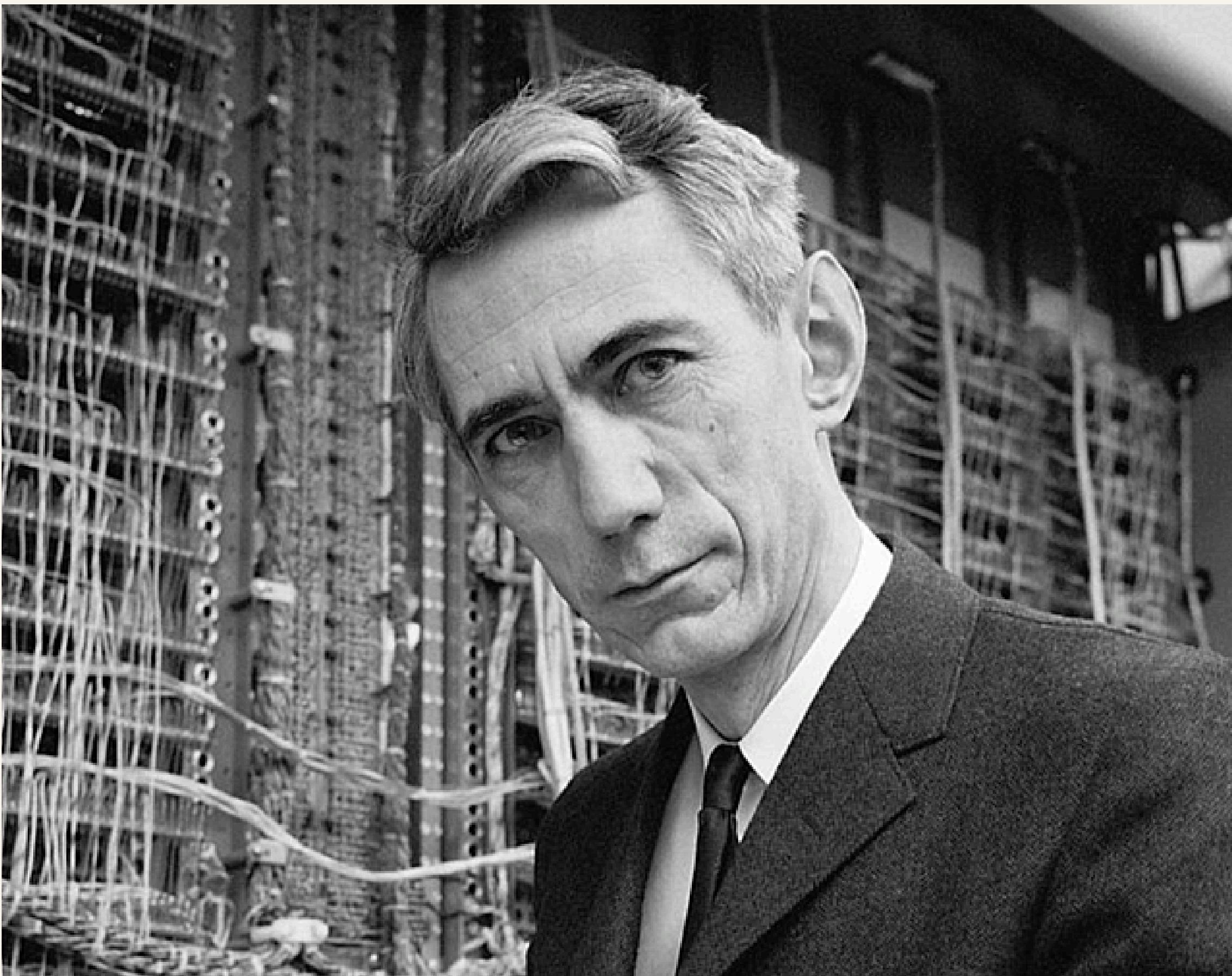
George Boole (1815–1864)



Gave Logic to
Machines

Turned reasoning
into computation

Claude Shannon (1916–2001)



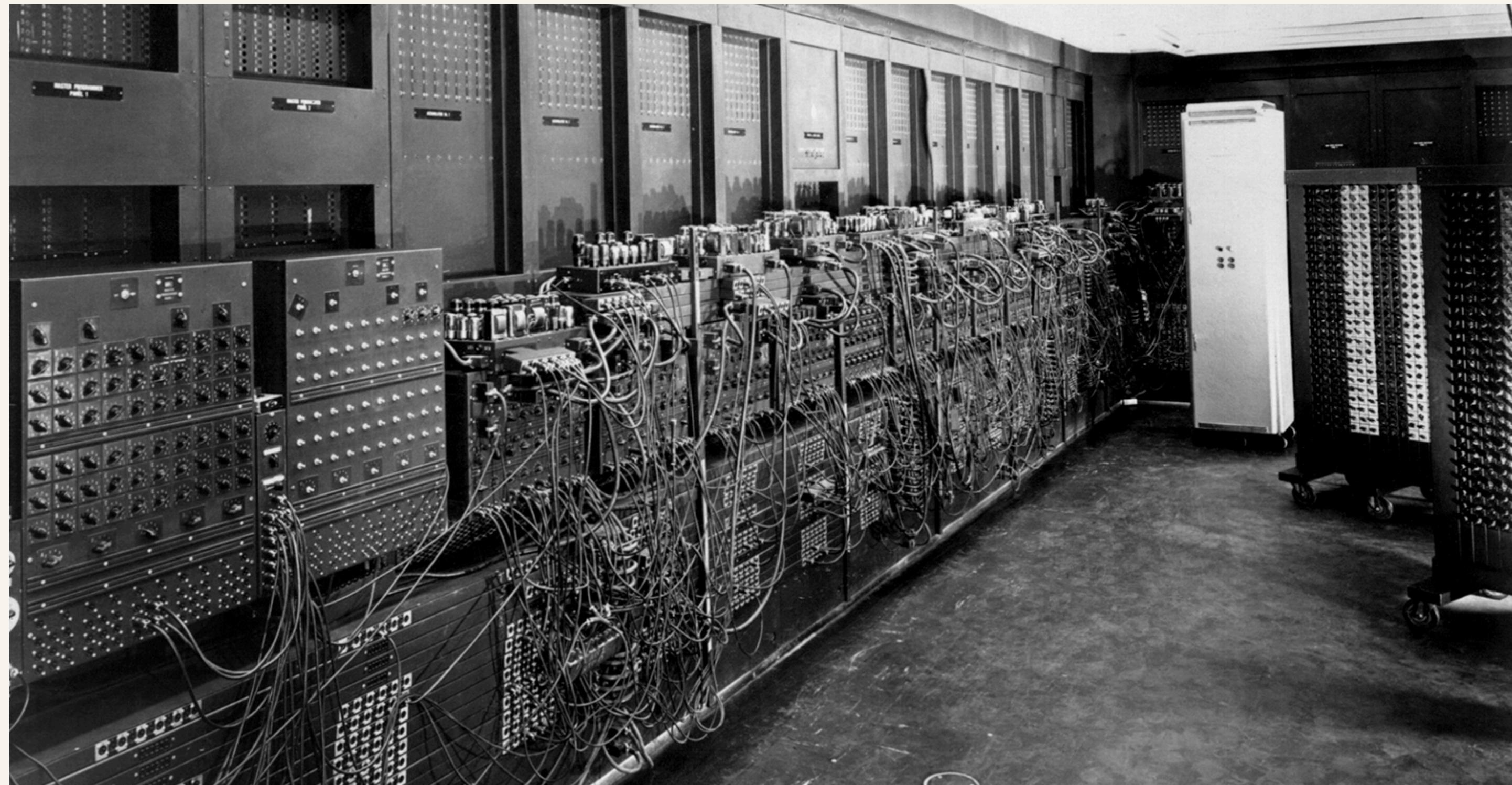
Boolean algebra
could control
electrical circuits

Switches

ENIAC - 1940s

Electronic Numerical Integrator and Computer

The First Fully Electronic Computer



Operating System

Before OS

One Program at a time

Manually Load Programs

Batch Systems (1950s)

The first step toward automation

several jobs and run them one after another

**The computer switches
between users**

Time-Sharing Systems (1960s)

**Each user feels like they have
their own computer**

MULTICS (1965)

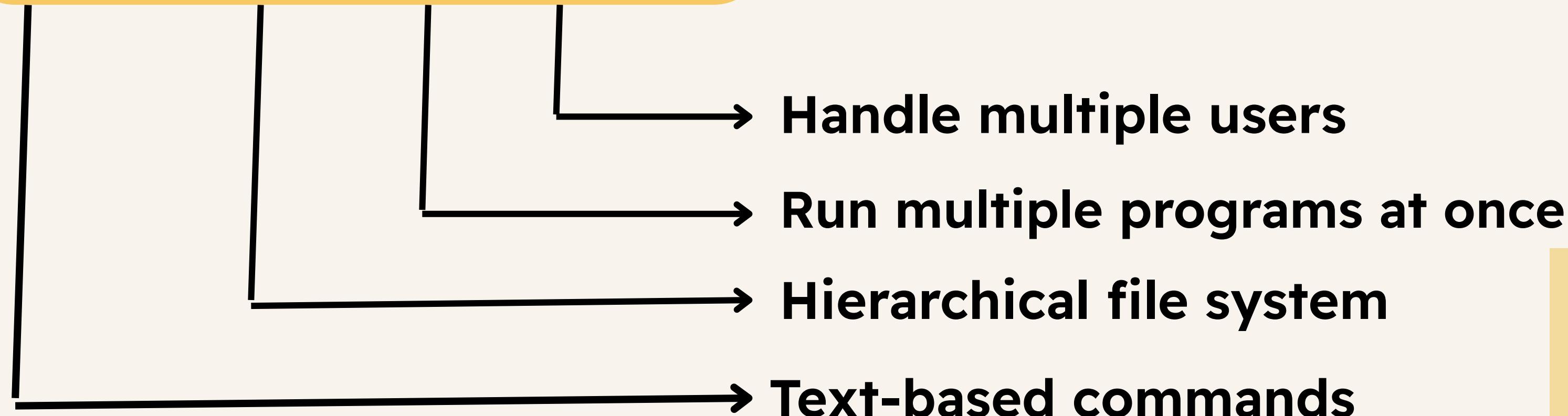


- Hierarchical file system (folders inside folders)
- Multiuser access with passwords and permissions
- Concepts of security, process management, and virtual memory

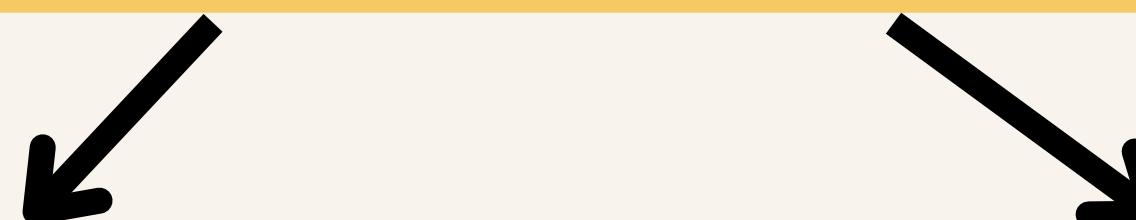
very complex



UNIX - (1969-1970s)

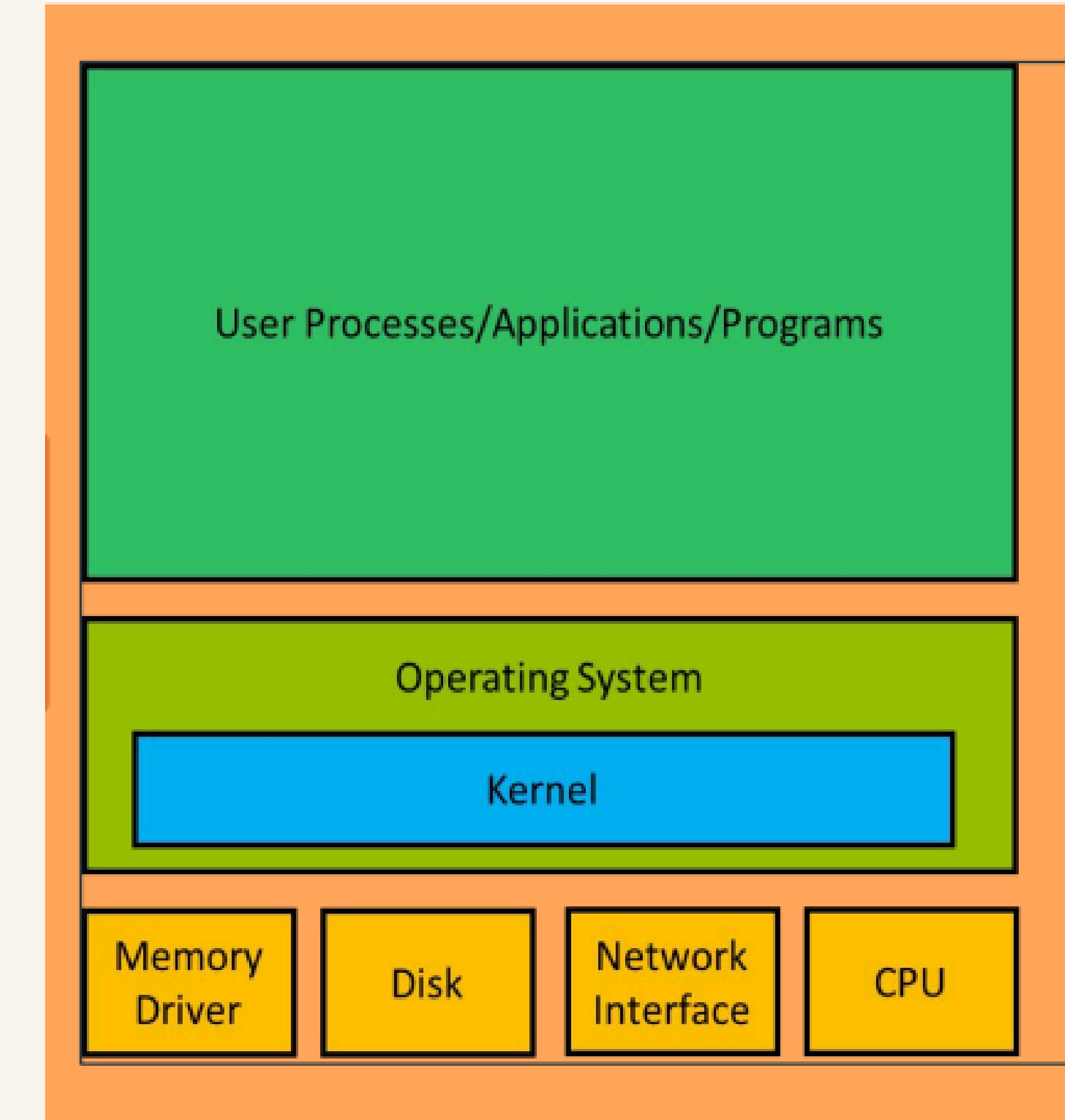
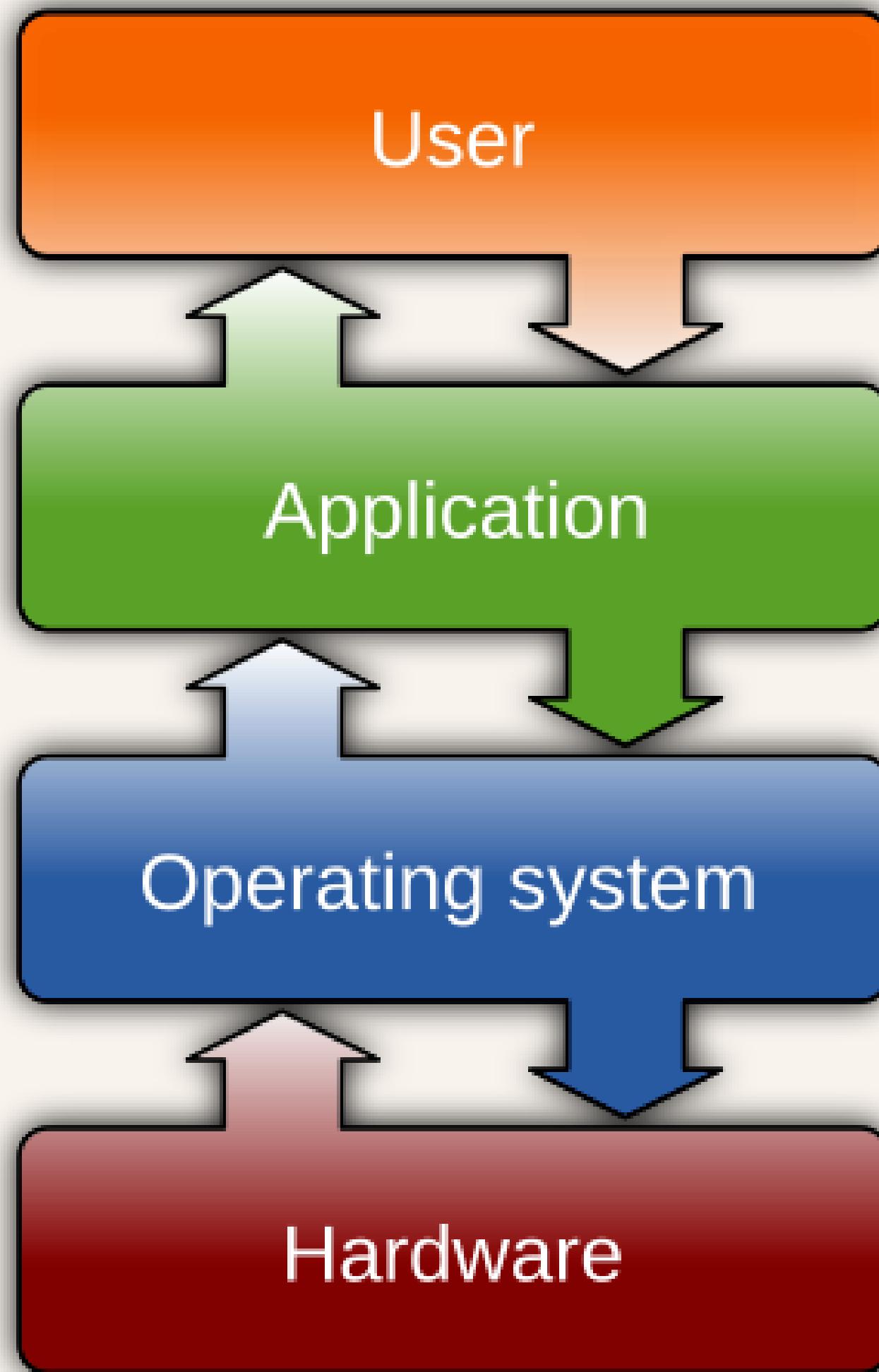


The first OS that felt both powerful and practical



Expensive

Closed Source



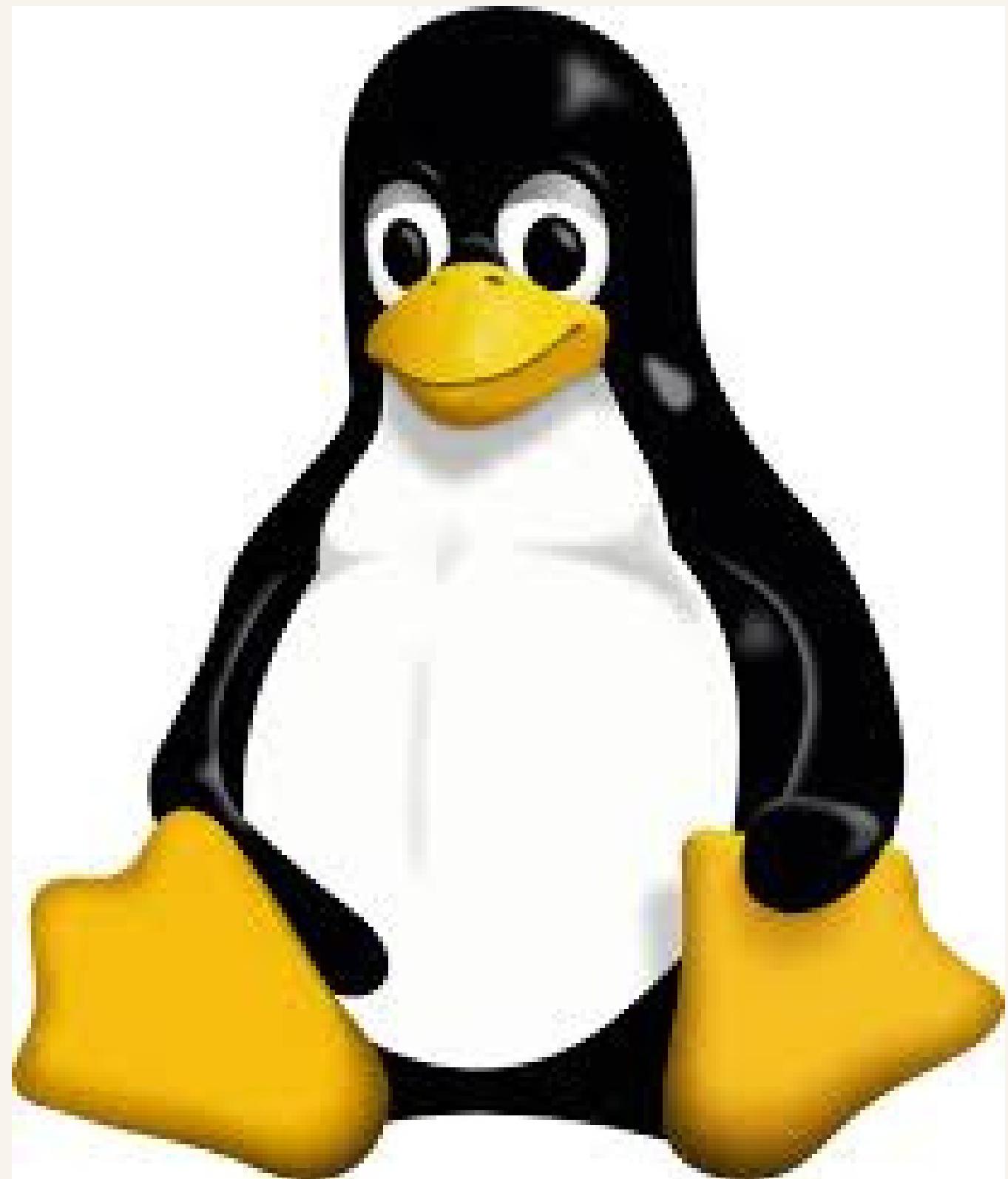
Richard Stallman

GNU Project (1983)

X Kernel

Linus Torvalds (1991)

GNU-Linux

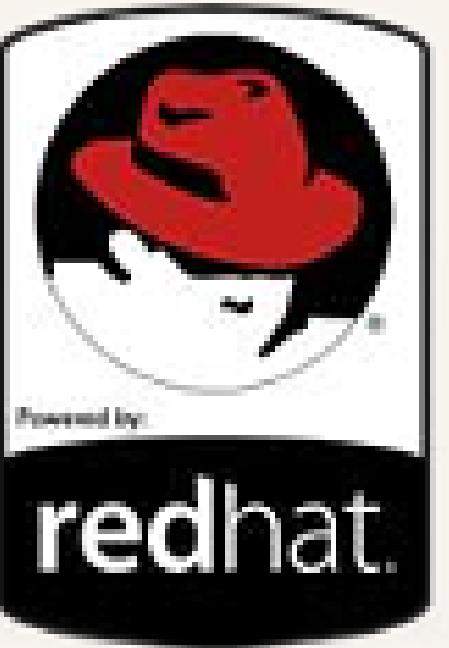


FOSS Definition - The 4 Freedoms

FOSS stands for **Free** and **Open Source Software**

1. Freedom to run the program as you wish, for any purpose.
2. Freedom to study how the program works, and modify it.
3. Freedom to distribute copies so you can help others.
4. Freedom to distribute modified copies of the program

Now Linux has over 500 distributions

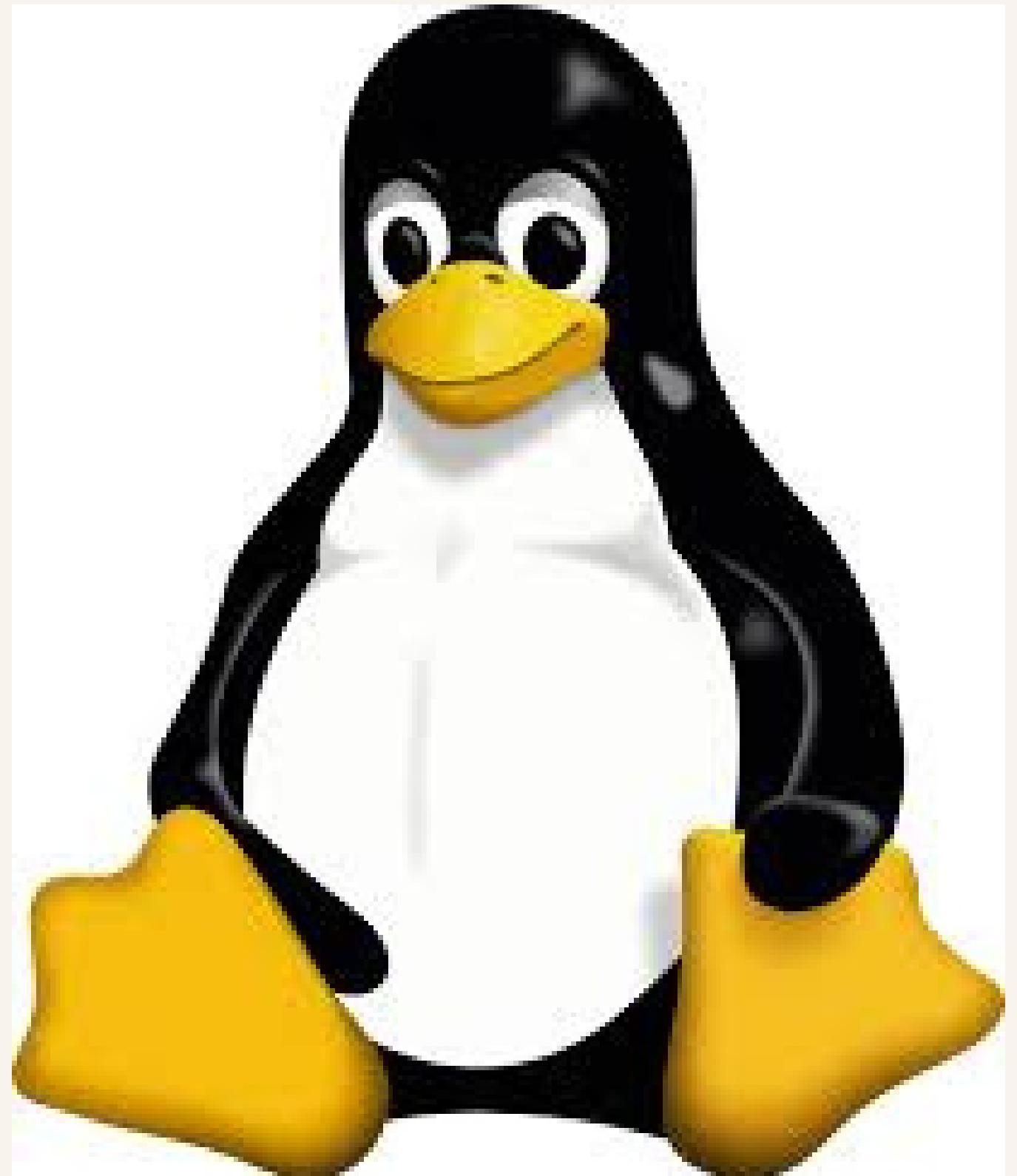


Why Linux ???

- Free and Open source
- Customizable
- Performance
- Secure
- Learn about your computer
- Community and Documentation

What are the options?

- Primary OS
- Dual (or multi) boot
- Live boot
- Virtual machine



Time for a SMALL game



ایوہ کہہ دلعنی

Some Memories 

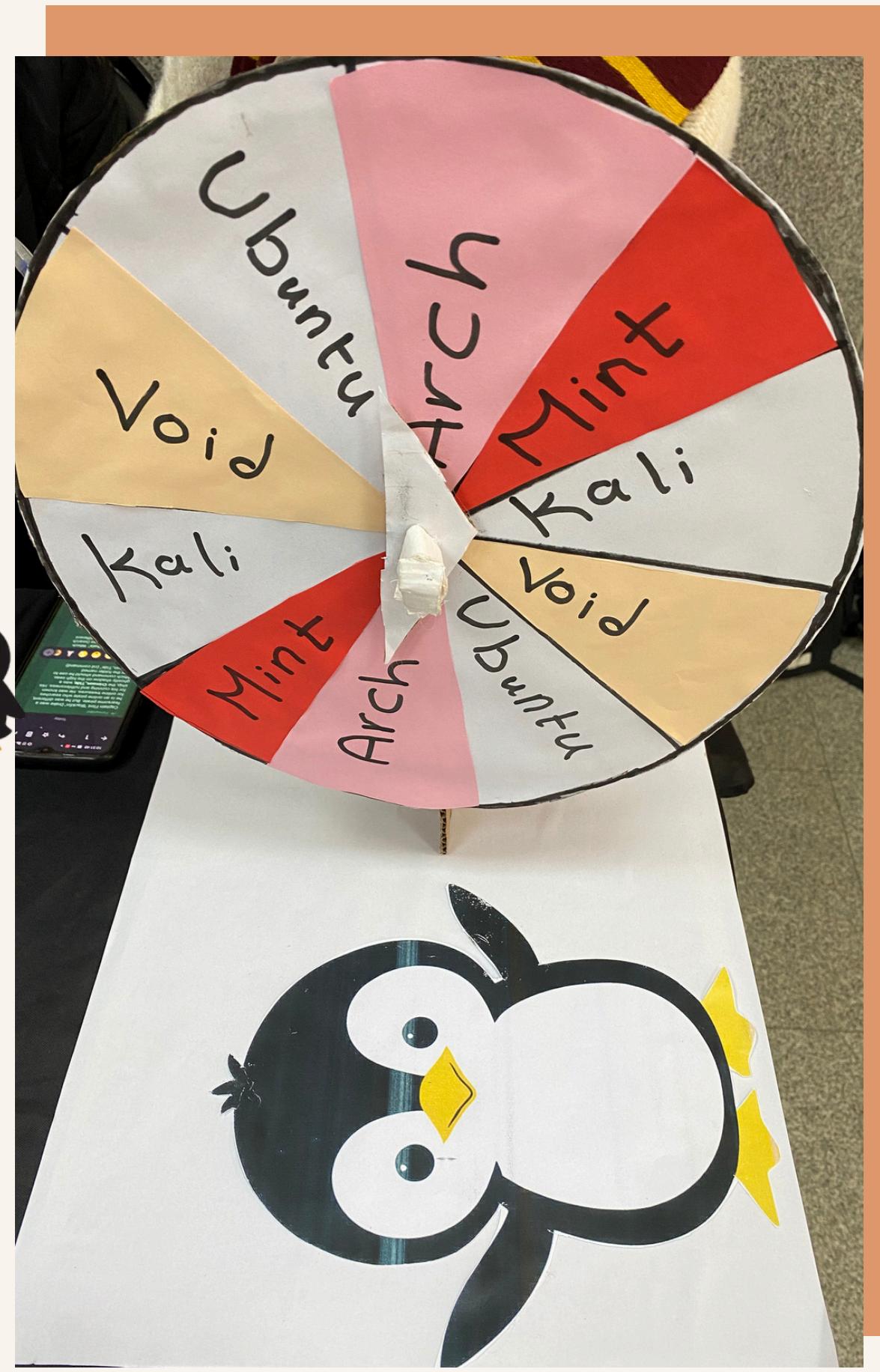


DAY

OPENING



LDP





Salakhana



S U M M E R A I N G



“Things end but memories last forever”



Your turn to make memories!



Badges



- **Distro Hopper:** Try at least different distros
- **lazy admin:** have at least 15 useful cron
- **unique system:** rice one of your linux system
- **sensei:** Give a linux Session
- **Bro Builder:** install arch linux
- **Heal driver :** install gentoo
- **Magneto :** install linux from scratch
- **Big Boss:** Conduct a Linux interview during OSC recruitment





Badges



- **Invincible:** Successfully recover from a major system failure (e.g., bootloader issues, corrupted filesystem).
- **Open Source Advocate:** Contribute to an open-source project.
- **Man Page Whisperer :** The man who write at least 5 posts about topics in wiki linux
- **Bug Slayer:** The man who write at least 5 posts about issues in wiki
- **Git Humor:** The man who make PR requests on our Projects
- **Linux Help Desk:** Support a fellow student in troubleshooting their Linux system.

Rules

- Mutual respect between all members no matter the role.
- Meetings will be held once a week for 2-3 hours.
- Meetings will be offline in Galaxi.
- Attending meetings is a must.
- Non-urgent excuses for absence must be communicated at least 48 hours in advance.
 - Non-urgent excuses for delay >15 minutes must be communicated at least 24 hours in advance.
 - Tasks must be submitted on-time, and non-urgent excuses for deadline extension must be communicated at least 24 hours in advance.



Rules

- By mid-season, every member should have Linux on their hard disk (dual-boot or primary OS).
- A temporary exception is slide preparation, but this is strictly outside the session/event. Presentation of slides must be using open-source software.
- In case of exceptional situations, request guidance from head and vice-heads.



Rules

- using Git through a GUI or through the GitHub interface is discouraged (negative mohsens).
- Members should check Discord and the WhatsApp group daily for updates, and confirm by reacting to messages.



**THANK
YOU**